



17u

PATENT

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 15, 2006

William R. Allen
William R. Allen, Reg. No. 48,389

15 March 2006
Date

Applicants: Toshiharu Furukawa et al.
Serial No.: 10/711,764
Filed: October 4, 2004
Art Unit: 2823
Examiner: Jarrett J. Stark
Confirmation No.: 5763
Title: LOW-K DIELECTRIC MATERIAL BASED UPON CARBON NANOTUBES
Atty Docket No.: IBM-319

Cincinnati, Ohio 45202

March 15, 2006

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of candor and good faith imposed by 37 C.F.R. §1.56 and means of complying therewith according to 37 C.F.R. §§1.97 and 1.98, the references listed on the attached Form PTO-1449 are called to the attention of the United States Patent and Trademark Office in connection with the above-identified patent application.

Subject to the Office's waiver of providing copies of U.S. patents and published applications for applications filed after June 30, 2003, only foreign references and articles are provided, since this application was filed on October 4, 2004, and therefore, subsequent to June 30, 2003.

The Examiner is urged to consider all of the cited documents and to make an independent evaluation of the teachings and materiality of each.

Applicants believe that no fee is due in connection with this communication. However, if this is not the case, the Commissioner is authorized to charge deposit account 23-3000 for any required fees.

Respectfully submitted,

WOOD, HERRON & EVANS, L.L.P.

BY William R. Allen
William R. Allen
Reg. No. 48,389

2700 Carew Tower
441 Vine Street
Cincinnati, OH 45202
(513) 241-2324

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. IBM/319		SERIAL NO. 10/711,764	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 C.F.R. 1.98(b)) (Use several sheets if necessary)				APPLICANT Toshiharu Furukawa et al.			
				FILING DATE October 4, 2004		GROUP 2823	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A.A	5	2	2	7	0	3	8	7/13/1993	Smalley et al.	204	173	10/4/1991
	A.B	5	3	0	0	2	0	3	4/5/1994	Smalley	204	157.41	11/27/1991
	A.C	6	7	0	6	4	0	2	3/16/2004	Rueckes et al.	428	408	4/23/2002
	A.D	6	7	0	6	5	6	6	3/16/2004	Avouris et al.	438	132	5/13/2002
	A.E												
	A.F												
	A.G												
	A.H												
	A.I												
	A.J												
	A.K												

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	A.L						
	A.M						
	A.N						
	A.O						
	A.P						
	A.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	A.R	Hirata, <u>U.S. Patent Application Publication No. US 2004/0018138 A1</u> , Publication Date 1/29/2004
	A.S	E.T. Michelson et al., <u>Solvation of Fluorinated Single-Wall Carbon Nanotubes in Alcohol Solvents</u> , J. Phys. Chem. B, Vol. 103, No. 21 (1999) (pages 4318-4322)
	A.T	P.J. Boul et al., <u>Reversible Sidewall Functionalization of Buckytubes</u> , Chemical Physics Letters, 3 September 1999, pp. 367-372

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. IBM/319		SERIAL NO. 10/711,764	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Toshiharu Furukawa et al.			
(37 CFR 1.98(b))				FILING DATE October 4, 2004		GROUP 2823	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	B.A						
	B.B						
	B.C						
	B.D						
	B.E						
	B.F						
	B.G						
	B.H						
	B.I						
	B.J						
	B.K						
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	B.L						
	B.M						
	B.N						
	B.O						
	B.P						
	B.Q						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
	B.R	Bahr, Jeffrey L. et al., <u>Covalent Chemistry of Single-Wall Carbon Nanotubes</u> , J. Mater. Chem. 2002, 12, pp. 1952-1958					
	B.S	E.T. Mickelson et al., <u>Fluorination of Single-Wall Carbon Nanotubes</u> , Chemical Physics Letters 296 (1998), pp. 188-194					
	B.T	Cao, Anyuan et al., <u>Direction-Selective and Length-Tunable In-Plane Growth of Carbon Nanotubes</u> , Adv. Mater. 2003, 15, No. 13, July 4, pp. 1105-1109					
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance <u>and</u> not considered. Include a copy of this form with next communication to applicant.							